Premier SP610 Solid State Drive

The Premier SP610 SATA III 6Gb/s SSD is ideal for upgrading your PC and laptop. It is powered by the SMI controller to offer outstanding performance with sequential read/write speeds of up to 560 and 450 MB/s, and 4KB random read/write speeds of up to 73,000/72,000 IOPS. With consistently fast data speeds, lower power consumption, and competitive price, the SP610 lets you enjoy faster boot up and program loading than ever before.

Features

- High transfer speed for uncompressed data performance
- Consistent high transfer speed
- NCQ Support
- Supports Windows TRIM Command
- S.M.A.R.T supported

Ordering Information

Capacity	Model Number	EAN Code
128GB	ASP610SS3-128GM-C	4713435799789
256GB	ASP610SS3-256GM-C	4713435799796
512GB	ASP610SS3-512GM-C	4713435799802
1TB	ASP610SS3-1TM-C	4712366960336

Specifications

- Capacities: 128GB/256GB/512GB/1TB
- NAND Flash Memory: Synchronous MLC
- Interface: SATA 6Gb/sec (SATA III)
- Controller: SMI
- Form Factor: 2.5”
- Dimensions: 100 x 70 x 7mm (L x W x H)
- Weight: 68g
- Warranty: 3 years
- MTBF: 1,500,000 hours
- Power Consumption: 0.3W Idle, 0.08W Active

  * Mobilemark 2012, Battery life analyzer2.4
- Operating Temperature: 0~70˚C
- Storage Temperature: -40~85˚C
- Shock Resistance: 1500G
- Operating Humidity: 10% to 90% RH (0˚ to 40˚C)
- Storing Humidity: 5% to 95% RH (-10˚ to 40˚C)
- ECC Recovery: Up to 66 bit/1KB (BCH)

  *Varies depending on exact configuration

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Performance

Capacity	Read Speed ATTO (MB/sec)	Write Speed ATTO (MB/sec)	Sequential Read AS SSD (MB/sec)	Sequential Write AS SSD (MB/sec)	4K Random Read IOPS	4K Random Write IOPS
128GB	560	150	510	140	66,000	35,000
256GB	560	290	510	280	75,000	67,000
512GB	560	450	510	430	73,000	72,000
1TB	560	450	510	430	73,000	72,000

*Test System: ASUS H87-PLUS , Pentium G3220, 4GB DDR3 RAM, Windows 8.1 Pro

Dimensional Drawings